

SECRET

COPY NO. 4

WORK STATEMENT 1940-W-1

for

FOLLOW-ON EMR(S)

(ELECTROMAGNETIC RECONNAISSANCE SYSTEM)

Serial Numbers 3 through 8

Procured Under

CONTRACT AF33(657)-12846

15 January 1965

Rev. D - 23 March 1967

25 YEAR RE-REVIEW

25X1

APPROVED BY:

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SECRET

REVISIONS (Cont'd)

<u>SYM</u>	<u>DATE</u>	<u>PAGE</u>	<u>DESCRIPTION</u>
C	27 Oct. 1966	Cover	Added Rev. C, dated 27 October 1966
		35	Under Exhibit E (Supp. Requirements) Added: 10. ECP 1940-6 TDPS Comp. Training 11. ECP 1940-11 Addition of Capacitor 12. ECP 1940-12 Addition of Washer 13. ECP 1940-13 Transformer Re-Pkg. 14. ECP 1940-14 Mobilize EMR Supt. Assy. 15. ECP 1940-15 Reduce Bd 4&10 X-talk. 16. ECP 1940-16 Reduce Bd. 13 Noise 17. ECP 1940-17 Antenna Re-Design 18. ECP 1940-18 Bd 3 High Pass Filter
		35A	Under Supp. Requirements Added: 19. ECP 1940-19 C1/C2 Audio Fidelity Imp 20. ECP 1940-20 EMR Mon. Pt. Volt Mod. 21. ECP 1940-21 Reduce Bd. 12 Noise 22. ECP 1940-22 Remark Fuse Panel 23. ECP 1940-24(A)* SPTE Training Course 24. ECP 1940-25 DPOD Training Course 25. ECP 1940-26 SCL Prog. Tech. Trg.
		37	Added Scheduling Information for ECP's #1940-6 and -11 through -14
		38	Incorporated Scheduling Information for ECP's #1940-15 through -22
		39	Incorporated Scheduling Information for ECP's #1940-24(A), -25 and -26.
D	23 Mar. 1967	Cover	Added Rev. D, dated 23 March 1967.
		35A	Under Supp. Requirements Added: 26. ECP 1940-27 Bd. 7 Rcvr. Solid State LO 27. ECP 1940-28 Elim. Bd. 4 X-Talk into Bd. 10 Rcvr. 28. ECP 1940-30 Elim. Bd. 2 Rcvr. Noise Pick-Up. 29. ECP 1940-31 Grd. Strap & Grd. Strap Fast. Chg.
		39	Incorporated Scheduling Information for ECP's #1940-27, -28, -30 & -31.

SUPPLEMENTARY REQUIREMENTS (Cont'd)

- 19 - ECP 1940-19, entitled "C1/C2 Audio Fidelity Improvement" dated 29 June 1966.
- 20 - ECP 1940-20, entitled "Modification of Set Voltage for EMR Activity Monitor Pts." dated 29 June 1966.
- 21 - ECP 1940-21, entitled "Reduction of Band 12 Receiver Noise" dated 15 August 1966.
- 22 - ECP 1940-22, entitled "Remarking of Fuse Panel" dated 15 August 1966.
- 23 - ECP 1940-24(A), entitled "Training Course-EMR Special Purpose Test Equipment (SPTE) dated 27 October 1966.
- 24 - ECP 1940-25, entitled "Training Course - Digital Print-Out Device (DPOD)" dated 26 October 1966.
- 25 - ECP 1940-26, entitled "Training Course - SCL Programming Techniques" dated 26 October 1966.





- 26 - ECP 1940-27, entitled "Band 7 Receiver Solid State Local Oscillator (LO)," dated 5 January 1967. (D)
- 27 - ECP 1940-28, entitled "Elimination of Band 4 Crosstalk into Band 10 Receiver," Dated 21 November 1966.
- 28 - ECP 1940-30, entitled "Elimination of Band 2 Receiver Noise Pickup," dated 17 February 1967.
- 29 - ECP 1940-31, entitled "Ground Strap & Ground Strap Fastener Change," dated 14 March 1967.

PROGRAM 1940 DELIVERY SCHEDULE - EMR & OPS AGE

DATE: 27 Oct. 1966

SUPP. REQ. NO.	EFFORT OR ACTIVITY	1966												1967												1968			
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
23	ECP 1940-24(A) SPTE TRAINING COURSE A. At Test Site (BW-4) B. At OPS Site (BW-5)																												
24	ECP 1940-25 DPOD TRAINING COURSE																												
25	ECP 1940-26 SCL PROG.TECH. TRG. COURSE																												
26	ECP 1940-27 BAND 7 SOLID STATE LO A. Retrofit EMR #3-4-5-6 B. Inc. into EMR #7-8																												
27	ECP 1940-28 ELIM. BD 4 X-TALK INTO BD 10 Recr. A. EMR Modification 1. Field Retrofit EMR #3-5 2. Inc. into EMR #4-6-7-8 B. Interbay Cable Modification 1. For 6 EMR System Cables 2. For 20 Spare Cables																												
28	ECP 1940-30 ELIM. BD 2 R/CVR NOISE PICKUP A. EMR Modification 1. Field Retrofit EMR #3-4-5 2. Inc. into EMR #6-7-8 B. Interbay Cable Modification 1. For 6 EMR System Cables 2. For 20 Spare Cables																												
29	ECP 1940-31 GRD STRAP & GRD STRAP FAST. CHG. 1. For EMR #3-4-5-8 Cables 2. For EMR #6-7 Cables 3. For 20 Sets of Spare Cables																												

EP-27

 Contractual Obligation
  Prime Contractual Obligation
  Interim Obligation
  Interim Milestone
 Shaded symbol indicates achievement

COPY NO. 5

WORK STATEMENT 1940-W-1

for

FOLLOW-ON EMR(S)
(ELECTROMAGNETIC RECONNAISSANCE SYSTEM)
Serial Numbers 3 through 8

Procured Under

CONTRACT AF33(657)-12846

15 January 1965

Rev. E - 30 January 1968

25X1

APPROVED:

REVISIONS (Cont'd)

<u>SYM</u>	<u>DATE</u>	<u>PAGE</u>	<u>DESCRIPTION</u>
E	30 Jan. 1968	Cover	Added Rev. E, dated 30 Jan. 1968
		35A	Under Exhibit E (Supp. Requirements) Added:
			30. ECP 1940-23A Chg. inCC3,C4 Anal.Coll
			31. ECP 1940-32 W/B Rec. PPB (A/E)
			32. ECP 1940-33 Cent. Tun. Improvements
			33. ECP 1940-34 Supp. of Bd.1-5 Sign.
			34. ECP 1940-35 Add. 180° Ph. Shf. Bd.3
			35. ECP 1940-36 Gain Mod. of Rec.ByPass
			36. ECP 1940-37 OPS AGE Dig. Pg. Chg.
			37. ECP 1940-38 Ship. Container Mod.
			38. ECP 1940-39 Multipl.Sync Chg OPS AG
			39. ECP 1940-40 Improve. of W/B Veh.Rec
			40. ECP 1940-41 Chg. of Trnard. Sig.Lvl
			41. ECP 1940-42 Atten. of Bd.8 Gap Fil.
			42. ECP 1940-43 OPS AGE Config. Update.
		40	Incorporated Scheduling Information for ECP's 1940-23A, -32 through -39 in- clusive.
		41	Incorporated Scheduling Information for ECP's 1940-40 through -43 inclusive.

SUPPLEMENTARY REQUIREMENTS (Cont'd)

- 19 - ECP 1940-19, entitled "C1/C2 Audio Fidelity Improvement" dated 29 June 1966.
- 20 - ECP 1940-20, entitled "Modification of Set Voltage for EMR Activity Monitor Pts." dated 29 June 1966.
- 21 - ECP 1940-21, entitled "Reduction of Band 12 Receiver Noise" dated 15 August 1966.
- 22 - ECP 1940-22, entitled "Remarking of Fuse Panel" dated 15 August 1966.
- 23 - ECP 1940-24(A), entitled "Training Course-EMR Special Purpose Test Equipment (SPTE) dated 27 October 1966.
- 24 - ECP 1940-25, entitled "Training Course - Digital Print-Out Device (DPOD)" dated 26 October 1966.
- 25 - ECP 1940-26, entitled "Training Course - SCL Programming Techniques" dated 26 October 1966.
- 26 - ECP 1940-27, entitled "Band 7 Receiver Solid State Local Oscillator (LO)," dated 5 January 1967. (D)
- 27 - ECP 1940-28, entitled "Elimination of Band 4 Crosstalk into Band 10 Receiver," Dated 21 November 1966.
- 28 - ECP 1940-30, entitled "Elimination of Band 2 Receiver Noise Pickup," dated 17 February 1967.
- 29 - ECP 1940-31, entitled "Ground Strap & Ground Strap Fastener Change," dated 14 March 1967.
- 30 - ECP 1940-23(A), entitled "Changes in C3, C4 Analog Collection Concept," dated 21 August 1967. (E)
- 31 - ECP 1940-32, entitled "W/B Recorder PPB (Airborne Equipment)," dated 15 August 1967.
- 32 - ECP 1940-33, entitled "Center Tuning Improvements," dated 10 August 1967.
- 33 - ECP 1940-34, entitled "Suppression of Band 1-5 Signal Source SubHarmonic Spurious Signals," dated 10 August 1967.
- 34 - ECP 1940-35, entitled, "Addition of 180° Phase Shift to Band 3 OPS AGE Antenna," dated 10 August 1967.
- 35 - ECP 1940-36, entitled, "Gain Modification of Recorder ByPass Amplifier," dated 10 August 1967.
- 36 - ECP 1940-37, entitled, "OPS AGE Digital Page Change, Mod 1," dated 10 August 1967.
- 37 - ECP 1940-38, entitled "Shipping Container Modification," dated 5 October 1967.
- 38 - ECP 1940-39, entitled "Multiplexer Sync Change for OPS AGE," dated 10 August 1967.
- 39 - ECP 1940-40, entitled "Improvement of Wide-Band Vehicle Recorder Head Life," dated 10 August 1967.
- 40 - ECP 1940-41, entitled "Change of Turnaround Signal Level in W/B Recorder," dated 29 September 1967.
- 41 - ECP 1940-42, entitled "Attenuation of Band 8 Gap Filler Channels," dated 17 October 1967.
- 42 - ECP 1940-43, entitled "OPS AGE Configuration Update," dated 12 January 1968.

		← 1967 →											
SUPP. REQ. NO.	EFFORT OR ACTIVITY	J	J	A	S	O	N	D	J	F	M		
30	ECP 1940-23 (A) CHANGE IN C3,C4 ANAL.COLLECTION A. Retrofit EMR #3-4-5-8 B. Inc. into EMR #6-7												(Affected components (PC Boards) to be c (As delivered from EM
31	ECP 1940-32 W/B RECORDER PPB(AIR BRN.EQUIP)						△						
32	ECP 1940-33 CENTER TUNING IMPROVEMENTS A. Retrofit EMR #3-4-5-8 B. Inc. into EMR #6-7		△△△										(As delivered from EM
33	ECP 1940-34 SUPP.BD.1-5 SPURIOUS SIGNALS A. Retrofit OPS AGE #1 & 2 B. Inc. into OPS AGE #3												(To be field retrofitted by (As delivered from EM
34	ECP 1940-35 ADD 180° PH.SHIFT BD.3 OPS AGE A. Retrofit OPS AGE #1 & 2 B. Inc. into OPS AGE #3												(To be field retrofitted by (As delivered from EM
35	ECP 1940-36 GAIN MOD OF RCDR. BYPASS AMP A. Retrofit OPS AGE #1 & 2 B. Inc. into OPS AGE #3												(To be field retrofitted by (As delivered from EM
36	ECP 1940-37 OPS AGE DIGITAL PAGE, MOD 1 A. Retrofit OPS AGE 1 & 2 B. Inc. into OPS AGE #3												(To be field retrofitted by (As delivered from EM
37	ECP 1940-38 SHIPPING CONTAINER MODIFICATION A. Two(2)sets of Containers(R&L) B. Two(2)sets of Containers(P&L)											△△ △△	(Containers modif: (Kits provided by
38	ECP 1940-39 MULTIPLEXER SYNC CHG FOR OPS AGE A. Retrofit EMR #3-4-5-8 B. Inc. into EMR #6-7												(To be field retrofitted by Contractor, (As delivered from

1968

M J J A S O N D

from OPS SITE to EMR Contractor's facility for rework)
 tractor's facility)

tractor's facility)

actor dependent upon availability of OPS AGE units)
 tractor's facility)

actor dependent upon availability of OPS AGE units)
 tractor's facility)

actor dependent upon availability of OPS AGE units)
 tractor's facility)

actor dependent upon availability of OPS AGE Units)
 tractor's facility)

EMR Contractor's facility)
 tractor for Retrofit on Organizational Field Level Maintenance basis)

injunction with ECP 1940-33, dependent upon availability of EMR Systems)
 Contractor's facility)

△ Interim

ation  Interim Milestone Shaded symbol indicates achievement